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| Name all reactants and the give the all conditions  CH3CH2OH → CH3CHO |  | What is the test fto distinguish between primary, secondary and tertiary alcohols? |  |
| Name the substances and give the conditions as well as any observations for this reaction  CH3CHO→CH3COOH |  | →  Name this substance what is the product when reacted with H+//MnO4- |  |
| Give the conditions for this reaction  CH2 = CH2+ H2 → CH3CH3 |  | what type of reaction is this used for?  Name the apparatus |  |
| what type of isomer does this form? Draw it |  | name this compound  how could you make it? |  |
| What reagent is required for the following reagent  CH3CH2Cl→ CH2 = CH2 + HCl |  | Benedict/tollens and Fehlings reagents are mild oxidising agents and can oxidise what compounds? |  |
| List the similarities of optical isomers |  | Haloalkanes can undergo  Substation reactions to form   1. Alcohols 2. Amines   Give the reagents for each |  |
| List the differences  Between 2 optical isomers |  | CH3NH2 + HCl →  Name these reactants  And give the products |  |
| →  CH3CH=CHCH3 + H2O  Give the reagent for this reaction |  | How do you make an acyl chloride from a carboxylic acid - give names and structures |  |